

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/005500

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C11D3/39 C11D3/395 C11D3/50 C11D3/20 C11D3/30

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C11D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|------------|---|-----------------------|
| Y          | WO 02/072746 A (UNILEVER PLC ; LEVER HINDUSTAN LTD (IN); UNILEVER NV (NL))<br>19 September 2002 (2002-09-19)<br>cited in the application<br>page 8, line 24 - page 11, line 15; claims 1-21 | 1-17                  |
| Y          | WO 02/072747 A (UNILEVER PLC ; LEVER HINDUSTAN LTD (IN); UNILEVER NV (NL))<br>19 September 2002 (2002-09-19)<br>claims 1-20<br><br>-----<br>-/--  | 1-17                  |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

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Date of mailing of the international search report

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|------------|---|-----------------------|
| Y          | WO 98/39406 A (LABEQUE REGINE ; JOHNSTON JAMES PYOTT (BE); COLLINSON SIMON ROBERT (GB) 11 September 1998 (1998-09-11)<br>cited in the application<br>page 87, line 28 - page 88, line 17<br>page 104, line 29 - line 31<br>page 132, line 10; claims 1-15 | 1-17                  |
| A          | WO 01/16261 A (UNILEVER PLC ; LEVER HINDUSTAN LTD (IN); UNILEVER NV (NL))<br>8 March 2001 (2001-03-08)<br>page 20, line 10; claims 1-24   | 1-17                  |
| A          | WO 01/16270 A (UNILEVER PLC ; LEVER HINDUSTAN LTD (IN); UNILEVER NV (NL))<br>8 March 2001 (2001-03-08)<br>page 23, line 6; claims 1-39  | 1-17                  |
| A          | WO 97/34987 A (PROCTER & GAMBLE)<br>25 September 1997 (1997-09-25)<br>page 8, line 16 - line 19; claims 1-11;<br>examples I-VII   | 1,11-17               |

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/005500

| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|---|---|---------------------|----------------------------|---------------------|
| WO 02072746                               | A | 19-09-2002          | BR 0208098 A               | 02-03-2004          |
|   |   |                     | CA 2439524 A1              | 19-09-2002          |
|   |   |                     | WO 02072746 A1             | 19-09-2002          |
|   |   |                     | EP 1373453 A1              | 02-01-2004          |
|   |   |                     | US 2003054968 A1           | 20-03-2003          |
|   |   |                     | BR 0206044 A               | 11-11-2003          |
|   |   |                     | CA 2431006 A1              | 19-09-2002          |
|   |   |                     | WO 02072747 A1             | 19-09-2002          |
|   |   |                     | EP 1368451 A1              | 10-12-2003          |
|   |   |                     | US 2003054967 A1           | 20-03-2003          |
| WO 02072747                               | A | 19-09-2002          | BR 0206044 A               | 11-11-2003          |
|   |   |                     | BR 0208098 A               | 02-03-2004          |
|   |   |                     | CA 2431006 A1              | 19-09-2002          |
|   |   |                     | CA 2439524 A1              | 19-09-2002          |
|   |   |                     | WO 02072746 A1             | 19-09-2002          |
|   |   |                     | WO 02072747 A1             | 19-09-2002          |
|   |   |                     | EP 1373453 A1              | 02-01-2004          |
|   |   |                     | EP 1368451 A1              | 10-12-2003          |
|   |   |                     | US 2003054967 A1           | 20-03-2003          |
|   |   |                     | US 2003054968 A1           | 20-03-2003          |
| WO 9839406                                | A | 11-09-1998          | AU 732147 B2               | 12-04-2001          |
|   |   |                     | AU 6226298 A               | 22-09-1998          |
|   |   |                     | BR 9808840 A               | 04-07-2000          |
|   |   |                     | CA 2283163 A1              | 11-09-1998          |
|   |   |                     | CN 1260830 T               | 19-07-2000          |
|   |   |                     | EP 0977828 A1              | 09-02-2000          |
|   |   |                     | WO 9839406 A1              | 11-09-1998          |
|   |   |                     | ID 22981 A                 | 23-12-1999          |
|   |   |                     | JP 2001513844 T            | 04-09-2001          |
|   |   |                     | MA 24594 A1                | 01-04-1999          |
|   |   |                     | TR 9902673 T2              | 21-04-2000          |
|   |   |                     | US 2003119698 A1           | 26-06-2003          |
|   |   |                     | US 2004038843 A1           | 26-02-2004          |
|   |   |                     | US 2002004473 A1           | 10-01-2002          |
|   |   |                     | HU 0001927 A2              | 28-09-2000          |
|   |   |                     | ZA 9801890 A               | 01-09-1998          |
| WO 0116261                                | A | 08-03-2001          | AU 3963600 A               | 23-10-2000          |
|   |   |                     | AU 4109100 A               | 23-10-2000          |
|   |   |                     | AU 5637099 A               | 21-03-2000          |
|   |   |                     | AU 6440000 A               | 26-03-2001          |
|   |   |                     | AU 6571600 A               | 26-03-2001          |
|   |   |                     | AU 757351 B2               | 20-02-2003          |
|   |   |                     | AU 6997300 A               | 26-03-2001          |
|   |   |                     | AU 7272000 A               | 26-03-2001          |
|   |   |                     | AU 7410400 A               | 26-03-2001          |
|   |   |                     | BR 0009457 A               | 08-01-2002          |
|   |   |                     | BR 0013592 A               | 07-05-2002          |
|   |   |                     | BR 0013593 A               | 07-05-2002          |
|   |   |                     | BR 0013737 A               | 04-06-2002          |
|   |   |                     | BR 0013744 A               | 14-05-2002          |
|   |   |                     | BR 0013746 A               | 07-05-2002          |
|   |   |                     | BR 9913367 A               | 29-01-2002          |
|   |   |                     | CA 2342616 A1              | 09-03-2000          |
|   |   |                     | CA 2364605 A1              | 12-10-2000          |
|   |   |                     | CA 2382114 A1              | 08-03-2001          |

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/005500

| Patent document<br>cited in search report | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|---|---------------------|----------------------------|---------------------|
| WO 0116261                                | A                   | CA 2382115 A1              | 08-03-2001          |
|   |                     | CA 2383590 A1              | 08-03-2001          |
|   |                     | CA 2383596 A1              | 08-03-2001          |
|   |                     | CA 2383935 A1              | 08-03-2001          |
|   |                     | CN 1351646 T               | 29-05-2002          |
|   |                     | CN 1384869 T               | 11-12-2002          |
|   |                     | CN 1384870 T               | 11-12-2002          |
|   |                     | CN 1387560 T               | 25-12-2002          |
|   |                     | CN 1387561 T               | 25-12-2002          |
|   |                     | CN 1387562 T               | 25-12-2002          |
|   |                     | CZ 20013526 A3             | 17-07-2002          |
|   |                     | WO 0060043 A1              | 12-10-2000          |
|   |                     | WO 0060044 A1              | 12-10-2000          |
|   |                     | WO 0116268 A1              | 08-03-2001          |
|   |                     | WO 0116269 A1              | 08-03-2001          |
|   |                     | WO 0116270 A1              | 08-03-2001          |
|   |                     | WO 0116271 A1              | 08-03-2001          |
|   |                     | WO 0116261 A2              | 08-03-2001          |
|   |                     | EP 1165738 A1              | 02-01-2002          |
|   |                     | EP 1208184 A1              | 29-05-2002          |
|   |                     | EP 1208185 A2              | 29-05-2002          |
|   |                     | EP 1208186 A1              | 29-05-2002          |
|   |                     | EP 1208187 A1              | 29-05-2002          |
|   |                     | EP 1208188 A1              | 29-05-2002          |
|   |                     | EP 1109965 A1              | 27-06-2001          |
|   |                     | HU 0103943 A2              | 28-02-2002          |
|   |                     | HU 0200672 A2              | 29-07-2002          |
|   |                     | PL 350514 A1               | 16-12-2002          |
|   |                     | TR 200102775 T2            | 21-12-2001          |
|   |                     | TR 200200535 T2            | 22-07-2002          |
|   |                     | TR 200201129 T2            | 22-07-2002          |
| WO 0116270                                | A                   | 08-03-2001                 |                     |
|   |                     | AT 275187 T                | 15-09-2004          |
|   |                     | AU 3963600 A               | 23-10-2000          |
|   |                     | AU 4109100 A               | 23-10-2000          |
|   |                     | AU 765582 B2               | 25-09-2003          |
|   |                     | AU 5636899 A               | 21-03-2000          |
|   |                     | AU 6571600 A               | 26-03-2001          |
|   |                     | AU 757351 B2               | 20-02-2003          |
|   |                     | AU 6997300 A               | 26-03-2001          |
|   |                     | AU 7410400 A               | 26-03-2001          |
|   |                     | AU 7903300 A               | 26-03-2001          |
|   |                     | BR 0009457 A               | 08-01-2002          |
|   |                     | BR 0013737 A               | 04-06-2002          |
|   |                     | BR 0013744 A               | 14-05-2002          |
|   |                     | BR 0013745 A               | 14-05-2002          |
|   |                     | BR 0013746 A               | 07-05-2002          |
|   |                     | BR 9913364 A               | 22-01-2002          |
|   |                     | CA 2342820 A1              | 09-03-2000          |
|   |                     | CA 2364605 A1              | 12-10-2000          |
|   |                     | CA 2383590 A1              | 08-03-2001          |
|   |                     | CA 2383596 A1              | 08-03-2001          |
|   |                     | CA 2383695 A1              | 08-03-2001          |
|   |                     | CA 2383935 A1              | 08-03-2001          |
|   |                     | CN 1351646 T               | 29-05-2002          |
|   |                     | CN 1384837 T               | 11-12-2002          |
|   |                     | CN 1387560 T               | 25-12-2002          |
|   |                     | CN 1387561 T               | 25-12-2002          |

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/EP2004/005500

| Patent document<br>cited in search report | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|---|---------------------|----------------------------|---------------------|
| WO 0116270 A                              |                     | CN 1387562 T               | 25-12-2002          |
|   |                     | CZ 20013526 A3             | 17-07-2002          |
|   |                     | DE 69919879 D1             | 07-10-2004          |
|   |                     | WO 0060043 A1              | 12-10-2000          |
|   |                     | WO 0060044 A1              | 12-10-2000          |
|   |                     | WO 0116270 A1              | 08-03-2001          |
|   |                     | WO 0116271 A1              | 08-03-2001          |
|   |                     | WO 0116261 A2              | 08-03-2001          |
|   |                     | WO 0116272 A2              | 08-03-2001          |
|   |                     | EP 1165738 A1              | 02-01-2002          |
|   |                     | EP 1208185 A2              | 29-05-2002          |
|   |                     | EP 1208186 A1              | 29-05-2002          |
|   |                     | EP 1208188 A1              | 29-05-2002          |
|   |                     | EP 1208107 A2              | 29-05-2002          |
|   |                     | EP 1109884 A1              | 27-06-2001          |
|   |                     | HU 0104295 A2              | 28-03-2002          |
|   |                     | HU 0200672 A2              | 29-07-2002          |
|   |                     | PL 350514 A1               | 16-12-2002          |
|   |                     | TR 200102775 T2            | 21-12-2001          |
|   |                     | TR 200201129 T2            | 22-07-2002          |
|   |                     | TR 200201130 T2            | 21-08-2002          |
|   |                     | TR 200201131 T2            | 23-09-2002          |
|   |                     | TR 200201278 T2            | 21-08-2002          |
|   |                     | US 2003045442 A1           | 06-03-2003          |
| WO 9734987 A                              | 25-09-1997          | CA 2249281 A1              | 25-09-1997          |
|   |                     | EP 0888441 A1              | 07-01-1999          |
|   |                     | JP 11507096 T              | 22-06-1999          |
|   |                     | US 6143707 A               | 07-11-2000          |
|   |                     | WO 9734987 A1              | 25-09-1997          |